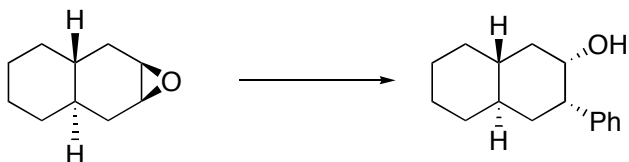
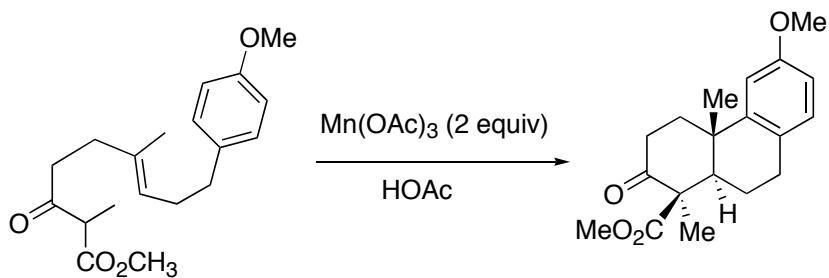


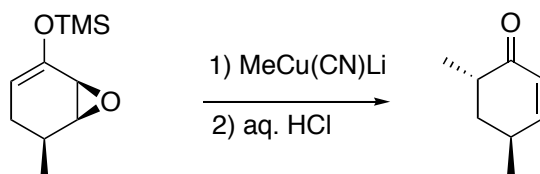
1) Outline syntheses. Provide a literature reference for each transformation



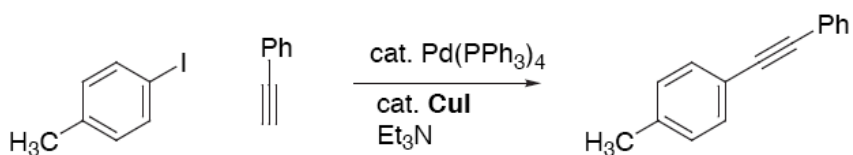
2) Write an arrow pushing mechanism



3) Write an arrow pushing mechanism



4) Propose a role for the CuI co-catalyst



5) Assign metal oxidation states

